Relationship of the DOD Information Technology Standards Registry (DISR) with the Defense Standardization Program

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DISA, GE33
9 March 2005

Agenda

- **Responsibilities of the DOD Executive Agent for IT Standards**

- **Products and Customers**

- **Alignment with DSPO (DISR and ASSIST)**

- **Recommendations**

- **Summary**

DOD Executive Agent for IT Standards *Policy / Directives*

- **Standards and Interoperability Policy Then and Now**

  - **Sept 1991: First Assignment to DISA of Executive Agent Responsibilities for DOD Information Standards**

  - **1996: Clinger-Cohen Assigns DOD CIO IT Standards Oversight Responsibility**

    - **May 2004: DOD CIO / DEPSECDEF Renews Executive Agent Responsibilities under DISA per DODD 5101.7**

  - **PM Conformance to IT Standards and Interoperability Responsibilities further Defined in DODD 4630.8 and CJCSI 6212**

DOD Executive Agent for IT Standards *Responsibilities*

"Identify, Develop, Promulgate, Manage, & Assess Compliance with IT Standards"

- DOD-wide Requirements with Direct Report Responsibility
  to ASD(NII) CIO and Joint Staff (J6) to:

- Establish and Maintain IT Standards in the DISR
  "with a Focus on Net Centric and Interoperability Standards / Profiles

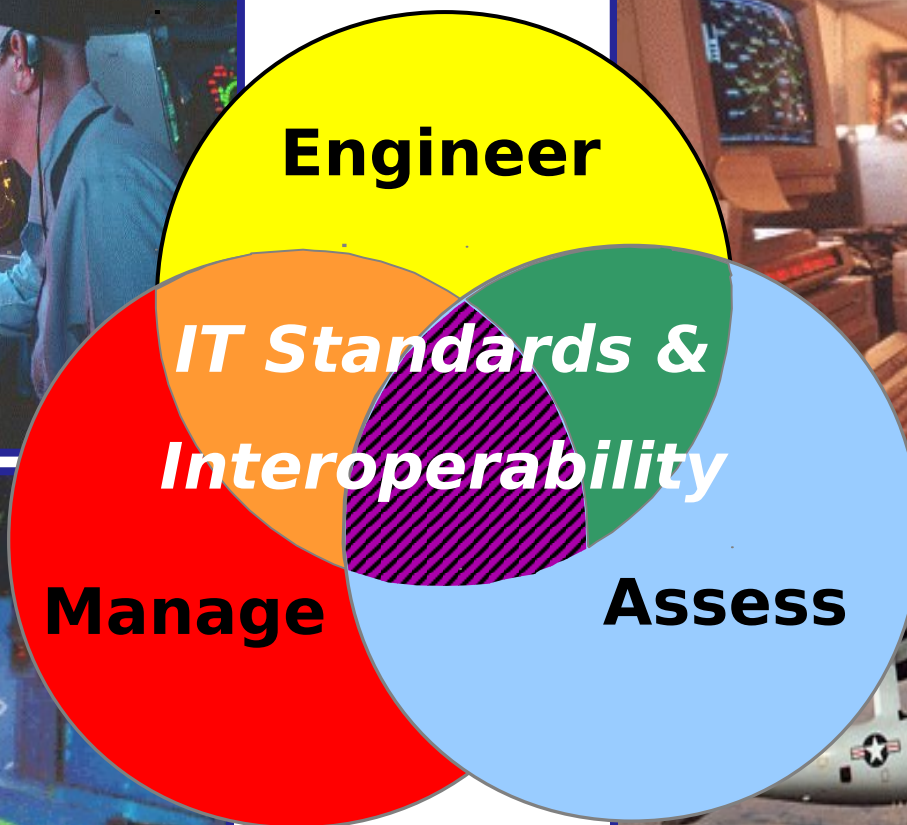- Manage DOD's Representation in St[...]
  Developmental Organizations

- IT MIL-STDs and STANAGs to Inclu[...]
  Coalition Configuration Management[...]

which the Warfighters and System Developers
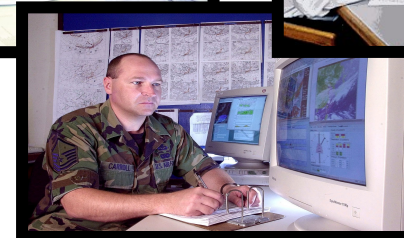*the primary customers…*

GE33 IT Standards Perspective

Engineer

IT Standards & Interoperability
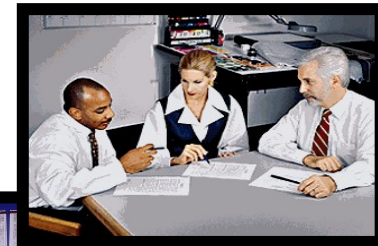
Manage

Assess

- **NII / CIO**
  - **Executive Agent Responsibilities (DISR)**
- **Joint Staff; J6 & J8**
  - **JCIDS, JCPAT-E, KIP**
- **COCOMs and Services**
  - **JINTACCS & C2IPs**
- **PMs**
  - **DISR: Enterprise Services and Transport Standards**

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Why Did We Transform from JTA to DISR?

- **In 2004 DoD Senior Leadership Voiced Concern that:**

  - **The Revision Cycle Associated with the JTA was too Long and Unresponsive to Change**

  - **Too Many Outdated IT Standards**

  - **IT Standards Identification, Promulgation, and Configuration Management Processes were not Focused on Implementing Net-Centric Concepts**

  - **Operating Procedures had not been Updated since 1993**

- **Since Then:**

  - **DoDI 4630.5 and DoDD 4630.8 Revised DISA and PM Responsibilities for Managing and Complying with IT Standards**

  - **DoDD 5101.7 Formally Assigned DISA as Executive Agent for IT Standards**

  - **DoD Adopted a Capability-Based Requirements**

So what is DISR & DISR-online?

Governance and General Information Area	Change Request Tool Software		Voting Software Tool
	Profile Assistance Software		
Policy	GIG Portfolio Mission Area Management		Collaboration Software Tool
FAQs	*DISR Profile Registry Area*		Service-Unique Bins IT, Procedural, & Performance Standards
CM Procedures	**PM System IT Standards Profiles TVs ****	**Prescribed Technology Profiles ** (IPv6, PKI etc.)**	
User Guides			
Links		**Key Interface Profiles (KIPs)****	
SOP			
POCs	**DISR Core Standards *** (Mandated "Net-Centric" & Mandated Sunset "Interoperability" Standards)		

DoD IT Standards Repository (DISRonline)
Lifecycle Tagged: Emerging and Retired Standards

Objectives:

- **Champion DoD's Re-Engagement of the IT Standards Communities**

- **Online IT standards Registry and Repository**

- **Tri-Annual Update of IT Standards Registry**

- **Tied to JCIDS IT Standards Conformance and Compliance Process**

- **Intelligence Community Cross Coordination**

- **Improved DoD Visibility and Participation in IT Standards Development Organizations**

- **Develop and Register PM Standards Profiles (TV)**

- **Standing IT Standards Working Groups Aligned to GIG Portfolio Management**
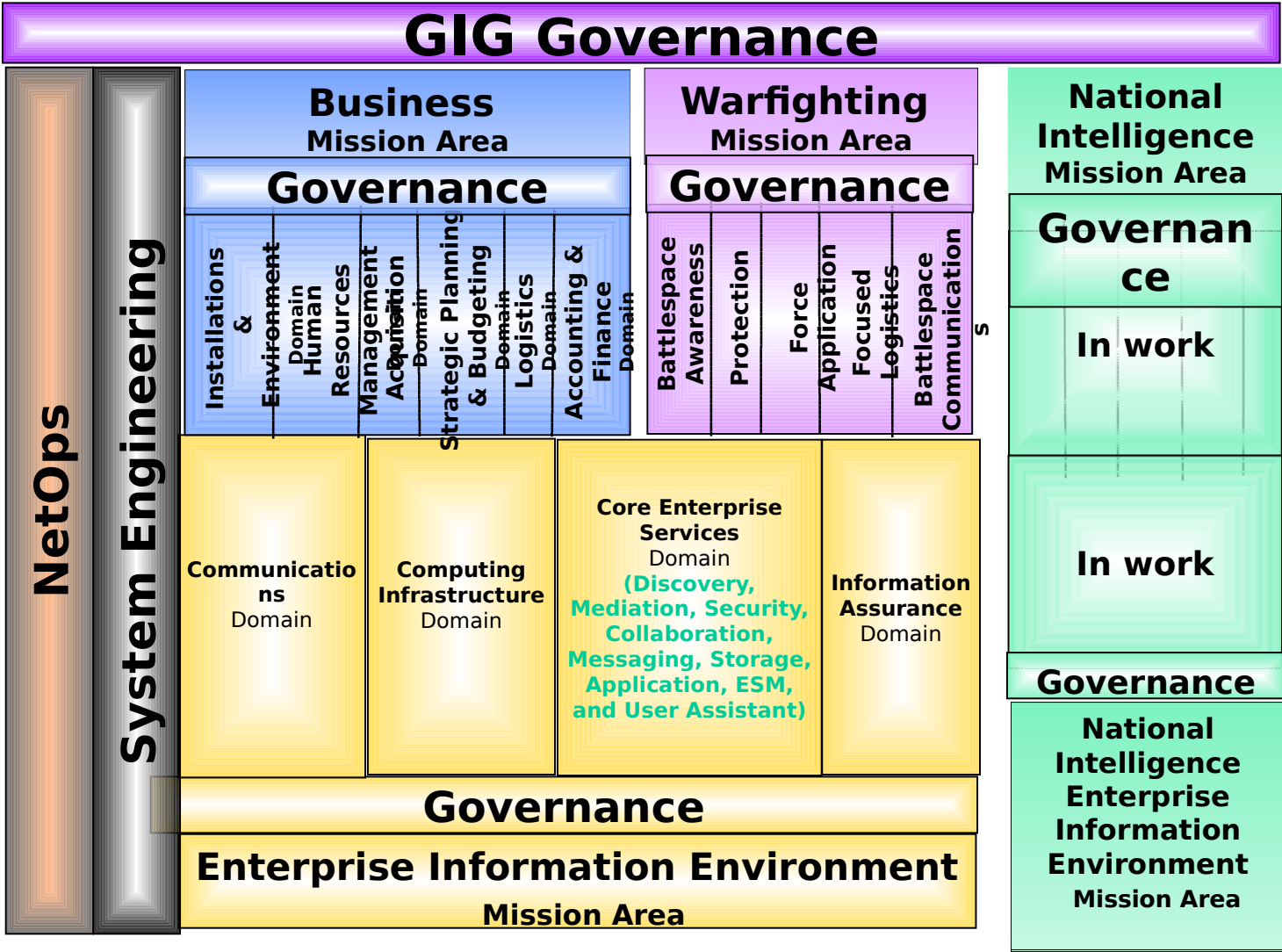
* Denotes DOD Mandated IT Standards

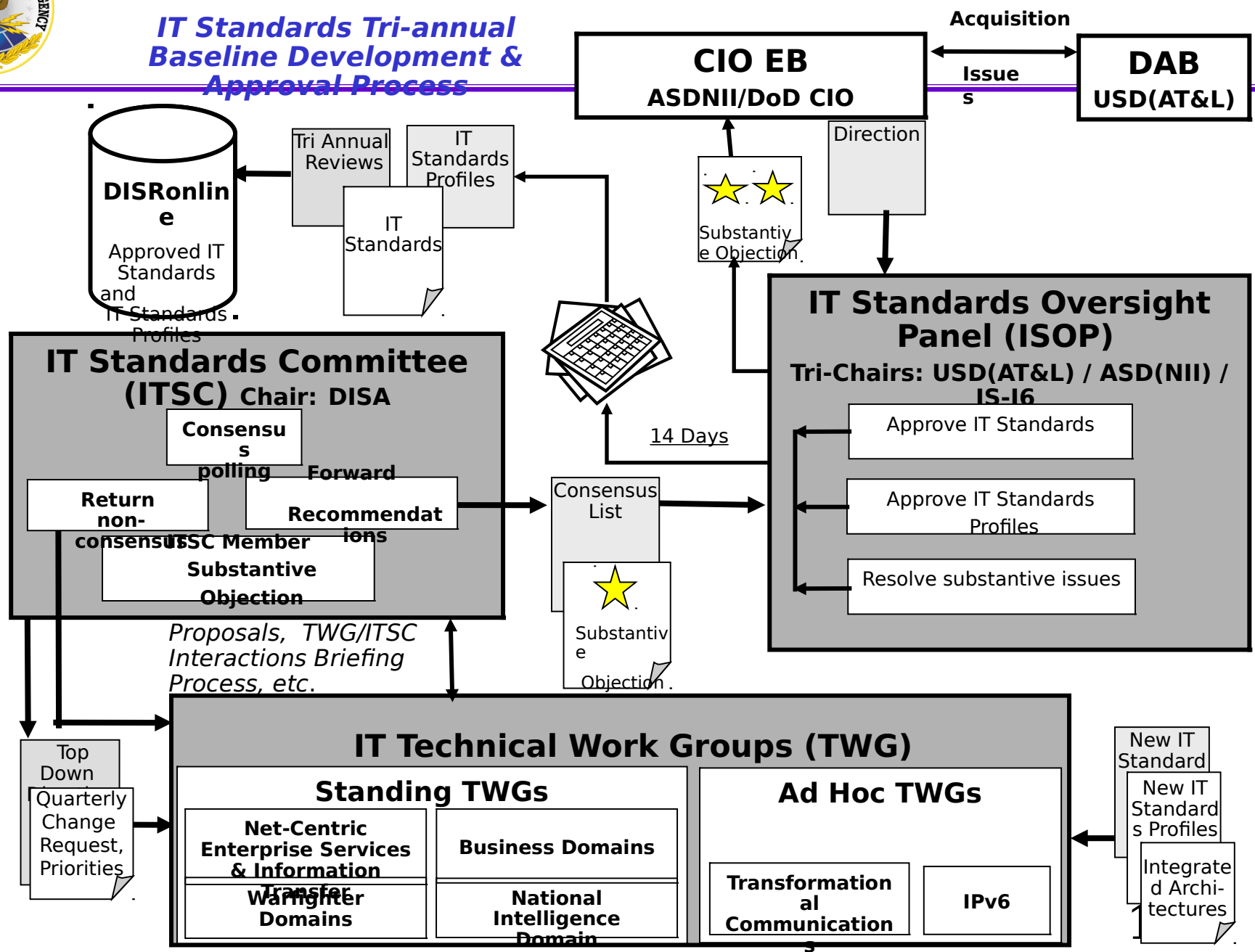**** May Contain Standards from Lifecycle Categories other than Mandated**

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GIG Governance

NetOps

System Engineering

Business Mission Area
- Governance
  - Installations & Environment Domain
  - Human Resources Domain
  - Management Acquisition Domain
  - Strategic Planning & Budgeting Domain
  - Logistics Domain
  - Accounting & Finance Domain

Warfighting Mission Area
- Governance
  - Battlespace Awareness
  - Protection
  - Force Application
  - Focused Logistics
  - Battlespace Communications

National Intelligence Mission Area
- Governance
  - In work
  - In work
- Governance

National Intelligence Enterprise Information Environment Mission Area

- Communications Domain
- Computing Infrastructure Domain
- Core Enterprise Services Domain **(Discovery, Mediation, Security, Collaboration, Messaging, Storage, Application, ESM, and User Assistant)**
- Information Assurance Domain

Governance

Enterprise Information Environment Mission Area

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IT Standards Tri-annual Baseline Development & Approval Process

Acquisition

CIO EB
ASDNII/DoD CIO

Issues

DAB
USD(AT&L)

Direction

Tri Annual Reviews

IT Standards Profiles

IT Standards

DISRonline

Approved IT Standards and IT Standards Profiles

Substantive Objection

IT Standards Oversight Panel (ISOP)

Tri-Chairs: USD(AT&L) / ASD(NII) / IS-I6

IT Standards Committee (ITSC) Chair: DISA

Consensus polling

Forward Recommendations

Return non-consensus

ITSC Member Substantive Objection

14 Days

Consensus List

Approve IT Standards

Approve IT Standards Profiles

Resolve substantive issues

Substantive Objection

Proposals, TWG/ITSC Interactions Briefing Process, etc.

Top Down

Quarterly Change Request, Priorities

IT Technical Work Groups (TWG)

Standing TWGs

Net-Centric Enterprise Services & Information Transfer

Warfighter Domains

Business Domains

National Intelligence Domain

Ad Hoc TWGs

Transformational Communications

IPv6

New IT Standard

New IT Standards Profiles

Integrated Archi-tectures

File   Edit   View   Go   Bookmarks   Tools   Window   Help

http://jtadev:8110/VJTA/ProfilingHome.jsp

Home   Search   Bookmarks

DISRonline

DISRonline Home   Contacts
FAQs   Guidance   Links   Change User Info
Log Off   Suggestions   Problems?   (703) 681-2569

Profiling

- Profiling
  - Generic Profile
  - Questionnaire
  - DISR Service
  - View / Modify
- Search
- JTA Web Site

Profiling Methods

https://disronline.disa.mil

A System Profile, is a collection of one or more Information Technology (IT) Profiles. Each IT Profile contains one or more standards from the DISR. Building a System Profile is an iterative process; most systems will contain more than one IT Profile. IT Profiles can be built by using any of the five profile building methods listed below. System engineers will often use several of these methods to construct their System Profiles. For initial help see the profiling quick start guide.

1. **Generic Profile Method** – Use to include a previously defined and approved Generic Profile in a System Profile, or to copy a Generic Profile into an editable IT Profile.

2. **Questionnaire Method** – Answer a set of questions resulting in a list of standards for the DISR Service you select.
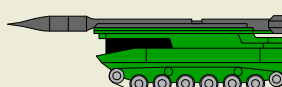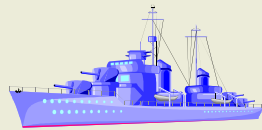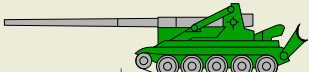
3. **DISR Service Method** – Select a DISR Service from a dropdown list, view the citations for standards in that DISR Service, and choose the ones you want to add to your IT Profile.

4. **View / Modify** – Provides a list of System Profiles, from which you can view subordinate IT Profiles. Standards can then be added or deleted from these IT Profiles.

5. **Search**
   a. Identifies standards for possible inclusion in an IT Profile by searching the JTA document/*Standards Table* for search strings or keywords that meet user-supplied criteria.
   b. Provides access to JTA document sections through the Table of Contents, allowing a visual search for desired standards in the actual document text.

DISRonline
Version 3.1.0
20 February 2004

UNCLASSIFIED

Sending request to jtadev...

Defense Standardization Program

Essentially This Means the Coexistence of Two DOD Standards Processes and Databases (DISR and ASSIST) where:

• **Logical and Virtual Linkages Exist between Them;**

• **Together Their Functionalities Complement and Enhance**
   Overall Standards Management;

• **Duplicate Processes that Result in Identical Content are**
   Eliminated.

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DISR and DISRonline	DSPO ASSIST
• **Prescribes the Minimum Set of IT Net Centric and Interoperability Mandated IT standards**	• **Title 10 Authority to Establish and Maintain a DOD Standards Database (All Standards, Not just IT)**
• **Emphasizes Adopting Commercial Standards vice Expansion of MIL-STDs**	• **Emphasis on MIL-STDs**
• **Identifies Standards Citations and URLs**	• **Stores the Actual DoD and Federal Standards ("Library of Congress for Standards")**
• **Lifecycle Progression Tied to Individual IT Standards**	• **Individual Standards Reviewed Every 5 Years**
• **Continual Refresh to Registry 3x per Year with Complete Baseline Reviewed Annually**	• **On Individual Standards as They are Revised**
• **Profiling Tool to Assist PMs in Developing Registered TVs IAW JCIDS**	• **PM Profiling Tool to Aid in Search / Discovery of Applicable Standards**
• **493 Mandated IT Standards Presently Posted in DISR and 226 in DISRonline**	• **44,000 Standards Presently Cited of which Approximately 100 are IT**

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DISR and DISRonline

- **Standards Ownership**
  - IT Standards Vetted by Technical Working Groups
  - Or Leverage Existing Technical Bodies (Government and Commercial)
- **IT-Related Performance, Procedural, Process, Policy, and Service-Unique Standards Bins as "Information Only" or "No Conflict with Mandated Core"**
- **Mandatory Use of Technical Profiles**
  - PM System Profiles required by DODD 4630.8 and CJCSI 6212 Directives
- **Links to ASSIST by Standard Title**

DSPO ASSIST

- **Standards Ownership**
  - Lead Standardization Activities and Preparing Activities
  - Follows SD-1 Process
- **Performance and Procedural Standards are reflected**
- **PM Profiling Tool**
  - Not Mandated for Milestone Certification
- **Link to DISR**

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Recommendations

- **Logical / Functional Linkage:**

  - **Continue to Synchronize DISR with URLs to ASSIST where the Complete IT Standard may be Obtained**

  - **DISR Ensures that ASSIST Receives Updates of IT MIL-STDs at the Conclusion of each DISR Review Cycle**

- **Complementary Functionality**

  - **DISR Provides to DSPO at the Conclusion of Each DISR Cycle a List of Mandated IT Commercial Standards for Potential DOD Enterprise License Procurement**

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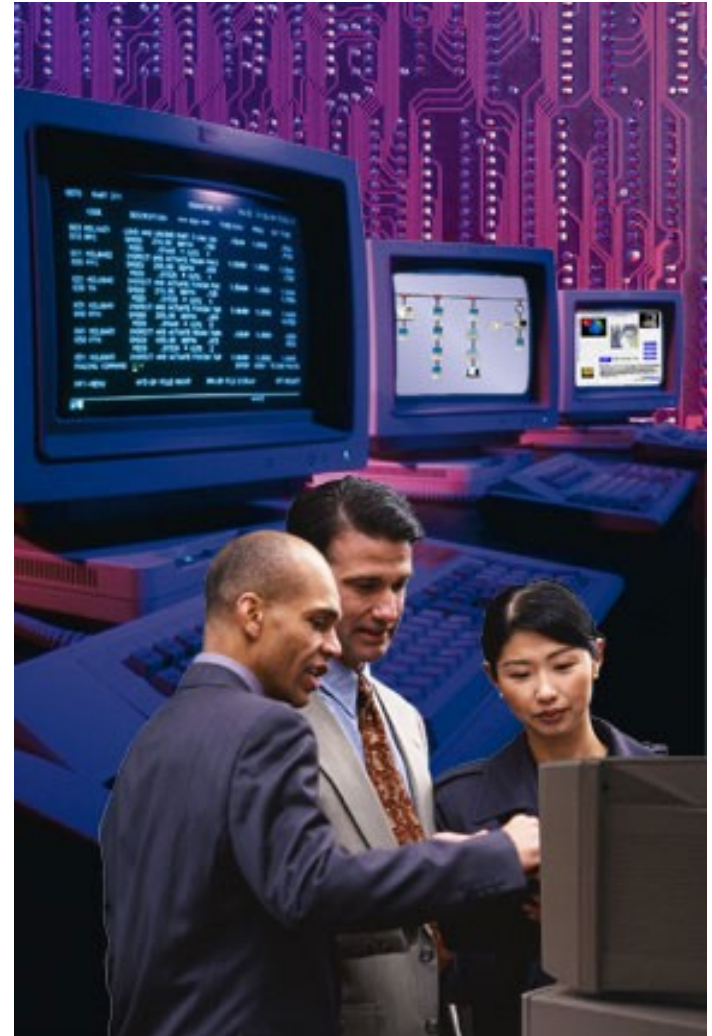
• **DSPO and the IT Standards Executive Agent will Benefit from**

Continued Coordination, Process Synergy, and the Technical

Expertise Found in Both Organizations

• **DISR will Capitalize and Use as an IT Force Multiplier Technical Standards Expertise Established in DSPO Lead Standardization Activities and Preparing Activities**

• **DISR's Role in Mandating IT Standards and ASSIST's Role as the Repository of Actual Standards Documents is a Key Unifying Relationship between the Two Applications**

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DISA Interoperability Standards Division (GE33) Contacts

- **GE33 Standards and Interoperability Division**
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- **GE331 - Standards Engineering Branch**
  Chief, Ken Dolson
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- **GE332 - Standards Management Branch**
  Chief, Paul Sitzes
  703-681-2645

- **GE333 - Interoperability Assessment Branch**
  Chief, Ned Roper
  703 681-2603

- **Fort Monmouth**
  Site Chief, Tom Brincka
  732 427-6800

Questions?

Interoperability Standards Division GE33

"Ensuring IT interoperates is our business."